							ten	Department of Co t and Trademark	k Office		Atty. Docket No. Serial No. 62574-A 09/903,359			
6 E	IN	FOI	RM. (Us	AT se s	TION	ND als	ISC she	CLOSURE CITA ets if necessary)	TION	Applicants Ulrich Laemmli and Samuel Janssen				
HE	·		<i>)</i> 							Filing Da July 11	Group ما/	3 <del>4</del>		
NA DE		52.						U.S. PATENT	DOCUMENTS	8				
Examiner Initial		Do	ocum	ent	t Nun	ıber	T	Date	Name	Class	Class Subclass Filing if Appr			
		+	-	╁	+-		$\vdash$							
		-	<del>                                     </del>	$\vdash$	-	_	<del>                                     </del>							
	L	<u>L</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		ODETCNIDATE				<u>.i</u>		
		Doo			t Nu	m h		OREIGN PATE  Date	Country	Class	Subclass	T		
		DUC	u III	CIII	ı mu.	шы	CI	Date	Country	Class	Subciass	Yes No		
												res	110	
			l											
,	О	ТН	ER	D	OCU	JMJ	EN'	TS (Including Au	ithor, Title, Da	te, Pertino	ent Pages, E	tc.)		
36	R a t (	ao, s i opo 199	K Lnh Dis (91)	.E ib om	ito era <i>Bic</i>	an rs se ch	d I im	Woynarowski, Lown, J.W., f the cataly I and topois ica et Bioph	"Netropsin tic activit omerase cle ysica Acta,	and bis y of ma avable 1090:	s-netrops ammalian complexe 52-60. (	in a DNA s", <b>Exhi</b>	nalogs	
	P	oly	zam	id	les	Co	nt	and Dervan, aining Imida <i>Chem. Soc.</i> ,	zole and Py	rrole A	Amino Aci	.ds",	sis of	
	"( P	Cha rot	nge :ei:	es ns	in du	Ch ri:	nro	Csink, A.K., omosomal Loca the Cell Cy Biology, 14	alization o cle in <i>Dros</i>	f Heter sophilia	ochromat a", (1998	in-b	inding	
	Journal of Cell Biology, 140: 1297-1306. (Exhibit 4)  Martello, Pamela A., Bruzik, J.P., deHaseth, P., Youngquist, R.S., and Dervan, P., "Specific Activation of Open Complex Formation at an Escherichia coli Promoter by Oligo (N-methylpyrrolecarboxamide)s: Effects of Peptide Length and Identification of DNA Target Sites", (1989), Biochemistry, 28: 4455-4461. (Exhibit 5)													
	H	eli	.x (	Ge	ome	tr	у :	ve, G.G., and in Three B-DI Biol., 217:	NA Decamers	and E	ight Dode	is o	f Local rs",	
EXAMINE	° S		Fon	rer	ν 			DATE CONSIDERE	D 1-4-03					
								ner or not citation is in co		P 609: Draw li	ne through citation	n if not	in conforman	

Applicants: Ulrich Laemmli and Samuel Janssen Serial No.: 09/903,359 Filed: July 11, 2001

Exhibit 1

Form PTO-1449 U.S. I Pater								S. I ten	Department of Co at and Trademar	ommerce k Office	62574-2	Atty. Docket No. Serial No. 62574-A 09/903,359			
	E II	VF)							CLOSURE CITA	TION	Ulrich 1	Applicants Ulrich Laemmli and Samuel Janssen			
		m Dr	12 12 12 12 12 12 12 12 12 12 12 12 12 1	5							Filing Da July 11		Group		
	isar:	-7R)	<u>S</u>	·					U.S. PATENT	DOCUMENTS					
Examiner Initial	ENI C	STORE SECTION	Do	cum	ent	Nun	nber	T	Date	Name	Class	Subclass	Filing Date if Appropriate		
					-		-	-							
		ļ			<u> </u>	-							<del>                                     </del>		
FOREIGN PATENT DOCUMENTS															
		D	ocı	ım	ent	Nu	mb	er	Date	Country	Class	Subclass	s Translati		
			·····									·	Yes	No	
		CO	ΉΙ	ER	DC	CU	JMI	EN	TS (Including A	ithor, Title, Dat	e, Pertino	ent Pages, E	t <b>c.</b> )		
SZ	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Wang, Wuyi and Lown, J. William, "Anti-HIV-I Activity of Linked Lexitropsins", (1992), J. Med. Chem., 35: 2890-2897. (Exhibit 7)												Linked ibit		
	Kielkopf, Clara L., White, S., Szewczyk, J.W., Turner, J.M., Baird, E.E., Dervan, P.B., and Rees, D.C., "A Structural Basis for Recognition of A-T and T-A Base Pairs in the Minor Groove of B-DNA", (1998) Science, 282: 111-115. (Exhibit 8)														
		We:	mm	er,	, I	<b>D.</b> E	.,	"	ernhard H., Design of a ", (1994) <i>Sc</i>	G-CSpecif:	ic DNA	Minor Gr	oove	:-	
		an	d :	De:	rva	an,	Р	. B	l M., Neely, ., "Regulati 97) <i>Science</i> ,	on of gene (	express	sion by s	mall	.,	
		Mr Ch of	ki: ara A	sh, act -T,	, N :e: /T-	1., ciz -A	Ba at: Bas	ai: io: se	irac, Rafael rd, E.E., De n of the Ali Pairs in th 121: 2956-2	rvan, P.B., phatic β/β 1 e Minor Gro	and We Pairing ove of	emmer, D. for Rec	Ē., ogni	"NMR tion	
EXAMINEI	، ۶	<u>S</u> .	Ž	J. 40	37N	er			DATE CONSIDERE	D 1-4-03					

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

							Department of C it and Trademar			Atty. Docket No. Serial No. 62574-A 09/903,359				
60	INF	ORM	IA Jse	TIC sev	)N ] era	DIS( l she	CLOSURE CITA eets if necessary)	ATION		ts Laemmli an I Janssen	d			
- HER	1, 1700	SCORE OF THE PARTY					***			Filing Date Group July 11, 2001				
E STEW	7711R	<u> </u>					U.S. PATENT	DOCUMENT	<u>S</u>					
Examiner Initial	Company of the second	Docu	me	nt N	umb	er	Date	Name	Class	Subclass		Filing Date if Appropriate		
			+	-	+									
			$\dagger$											
	FOREIGN PATENT DOCUMENTS													
	D	ocun	1e	nt N	um	ber	Date	Country	Class	Subclass	Translation			
	$\perp$		_								Yes	No		
	-		+	$\dashv$		+-					-			
· ·		ם אנוני	 • T	100	TIN	IFN	TS (Including A	othor Title De	4- D-4					
25	He ge	niko	of es	f, ″,	St (2	eve	n, "Heteroch ) <i>Biochimica</i>	romatin fur	ction i	in comple	x	08.		
	Re	peat	e	d D	NA	Se	Hilliker, A quences in H (1993) <i>Genet</i>	eterochroma	tin of	Drosophi	la	-		
	melanogaster", (1993) Genetics, 134: 1149-1174. (Exhibit 13)  McBryant, Steven J., Baird, E.E., Trauger, J.W., Dervan, P.B., and Gottesfeld, J.M., "Minor Groove DNA-Protein Contacts Upstream of a tRNA Gene Detected with a Synthetic DNA Binding Ligand", (1999) J. Mol. Biol., 286: 973-981. (Exhibit 14)													
	"A Re	liph cogn	ai ii	tic tio	/Ai n :	coma Ln	., Swalley, atic Amino A the Minor Gr -6226.( <b>Exhib</b>	cid Pairing oove of DNA	s for F	Polyamide				
	Yo 16	ungq Bas	u: e	ist Pa	, F	R.S 5 0:	, and Derva f A,T Double -7566. (Exhib	n, P.B., "A Helical DN	Synthe A", (19	etic Pept 987) J. A	ide m. C	Binds hem.		
EXAMINER	2	Z		ne^			DATE CONSIDERE	D 1-4-03						
*EXAMINER: I	nitial i	f citatio ude cop	n c	onsidof this	ered, form	wheth with	er or not citation is in co	nformance with MPEF	609: Draw lin	ne through citation	n if not i	n conformanc		

Form PTO-1449 U.S. Pater							S. I ten	Department of Co t and Trademar	ommerce k Office	62574-2	Atty. Docket No. Serial No. 62574-A 09/903,359				
	A		Y To T					CLOSURE CITA ets if necessary)	TION		Ulrich Laemmli and Samuel Janssen				
	168 J	12	372		·					Filing Da July 11	<u>-</u> -				
	ENT.	: TR!	OKINE.	gd				U.S. PATENT	DOCUMENTS	<u>s</u>	T	·			
Examiner Initial	Evi	I	)ocur	nent	Nur	nber	T	Date	Name	Class Subclass			Filing Date if Appropriate		
		+	+	+-	<del>                                      </del>	+-	-					<u> </u>			
		+	-	+	+	<u> </u>									
	FOREIGN PATENT DOCUMENTS														
		Do	cum	ent	Number Date				Country	Class	Subclass	Translation			
		_	<u></u>			т	ı —	· · · · · · · · · · · · · · · · · · ·				Yes	No		
													·		
						<u> </u>									
	C	TF	IER	DO	CU	J <b>M</b> J	EN'	ΓS (Including Aι	ıthor, Title, Da	te, Pertine	ent Pages, E	tc.)			
SP	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  Turner, James M., Baird, E.E., and Dervan, P.B., "Recognition of Seven Base Pair Seuences in the Minor Groove of DNA by Ten-Ring Pyrrole-Imidazole Polyamide Hairpins", (1997) J. Am. Chem. Soc., 119: 7636-7644. (Exhibit 17)														
	Youngquist R.S., and Dervan, P.B., "Sequence-specific recognition of B-DNA by oligo(N-methylpyrrolecarboxamide)s" (1985) Biochemistry, 82: 2565-2569. (Exhibit 18)														
	a	2	:1	di	sta	my	cir	nd Wemmer, D n A-d(CGCAAA chemistry, 8	TTGGC) comp	lex by	two-dime	izat nsio	ion of		
	NMR" (1989) Biochemistry, 86: 5723-5727. (Exhibit 19)  Omichinski, James G., Pedone, P.V., Felsenfeld, G., Gronenborn, A.M., Clore, G.M., "The solution structure of a specific GAGA factor-DNA complex reveals a modular binding mode" (1997)  nature structural biology, 4(2): 122-132. (Exhibit 20)														
	N M P H	ear •, ol: um	mat Lo yam an	i, wn ide Imr	No J. ∋s, nun	W., B.	i, isc efi	Mazumder, A Pommier, Y., distamycins, ciency Virus d: 280-290. (	., Sunder, "Highly Po and Lexitr s Type 1 In	S., Owe tent Sy opsins tegrase	n, J.M., nthetic as Inhib	itor	s of		
EXAMINEI						<u></u>		DATE CONSIDERE	<del></del>						

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

								Department of Co at and Trademar		Atty. Doc 62574-1		Serial No. 09/903,359		
6	PIK	FC	PRI (1	MA Use	TIC	N D eral	ISO she	CLOSURE CITA ets if necessary)	ATION		<sup>ts</sup> Laemmli an Janssen	d		
100	8 4	1.500		3						Filing Da July 11		Group	0	
NO.	/// 27	Quer	By.					U.S. PATENT	DOCUMENT	<u>S</u>		·		
Examiner Initial	A CARRE	]	Docu	ıme	nt Nı	ımbe	r	Date	Name	Class	Subclass	Filing Date if Appropriate		
		_	_	_	_ _	1	1_							
		-	$\perp$	$\dashv$	-	-	╂			-				
			i		]		⊥ I	OREIGN PATE	NT DOCUME	NTS	<u> </u>			
		Do	cui	mei	nt N	Tumber Date Country Class		Subclass	Translation					
				_	<del></del>					·		Yes	No	
													·	
	(	T	HE	RI	OC	UM	EN	TS (Including A	uthor, Title, Da	te, Pertine	ent Pages. E	tc.)		
SF	l I	Csi net	nk	A oc	my, hrc	K. mat	ic	and Henikoff association 996) <i>Nature</i> ,	, Steven, "and nuclea	Genetic r organ	c modific	atio in	n of	
	ע ב ב	Vhi cul lmi	te.es	, f zo	Sar or le	ah, rec	B og ya	aird, E.E. a nition in th mides" (1997	nd Dervan, e minor gro	P.B., `ove of	'On the p	airi	le-	

EXAMINER DATE CONSIDERED 1-4-03

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.